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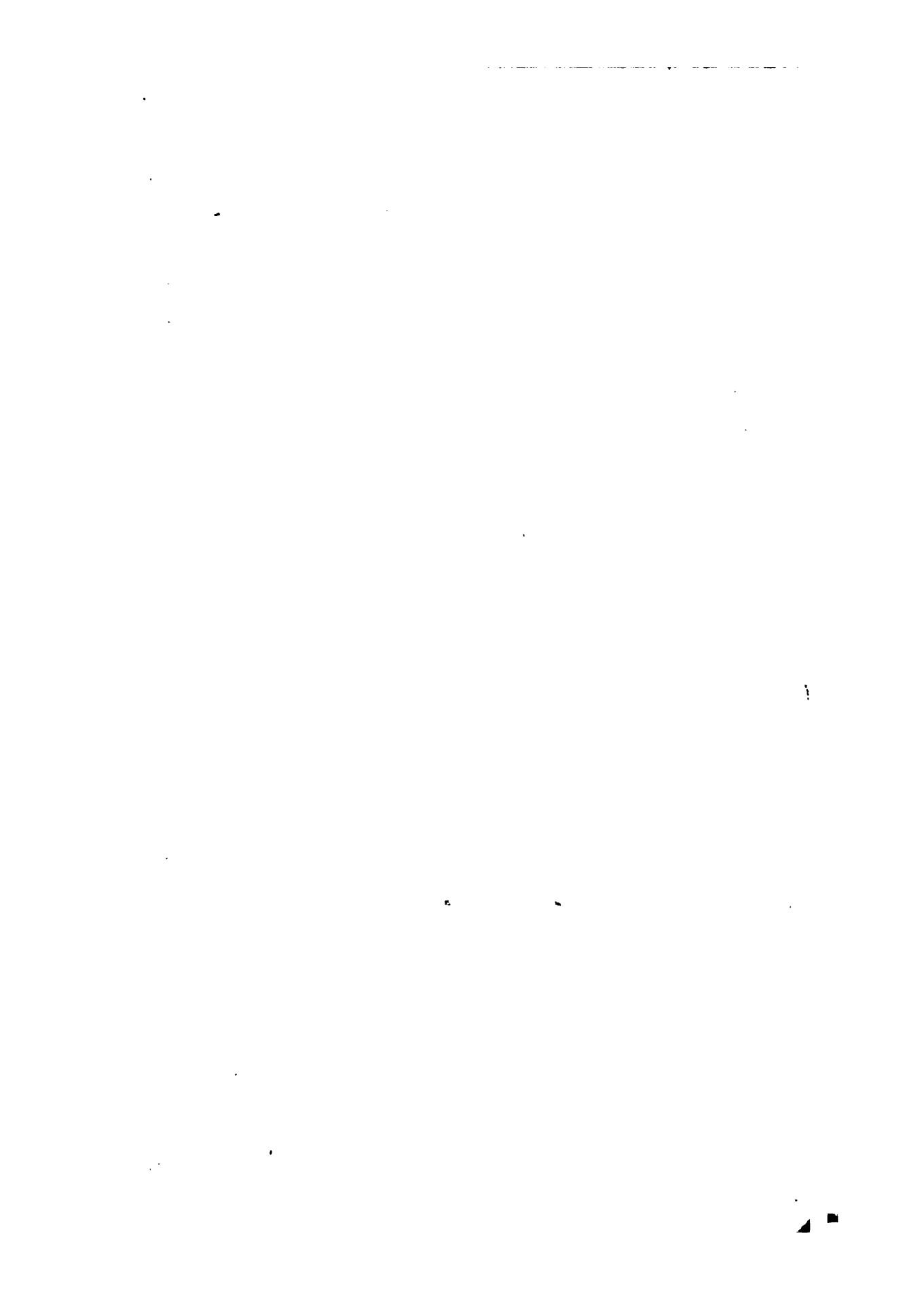


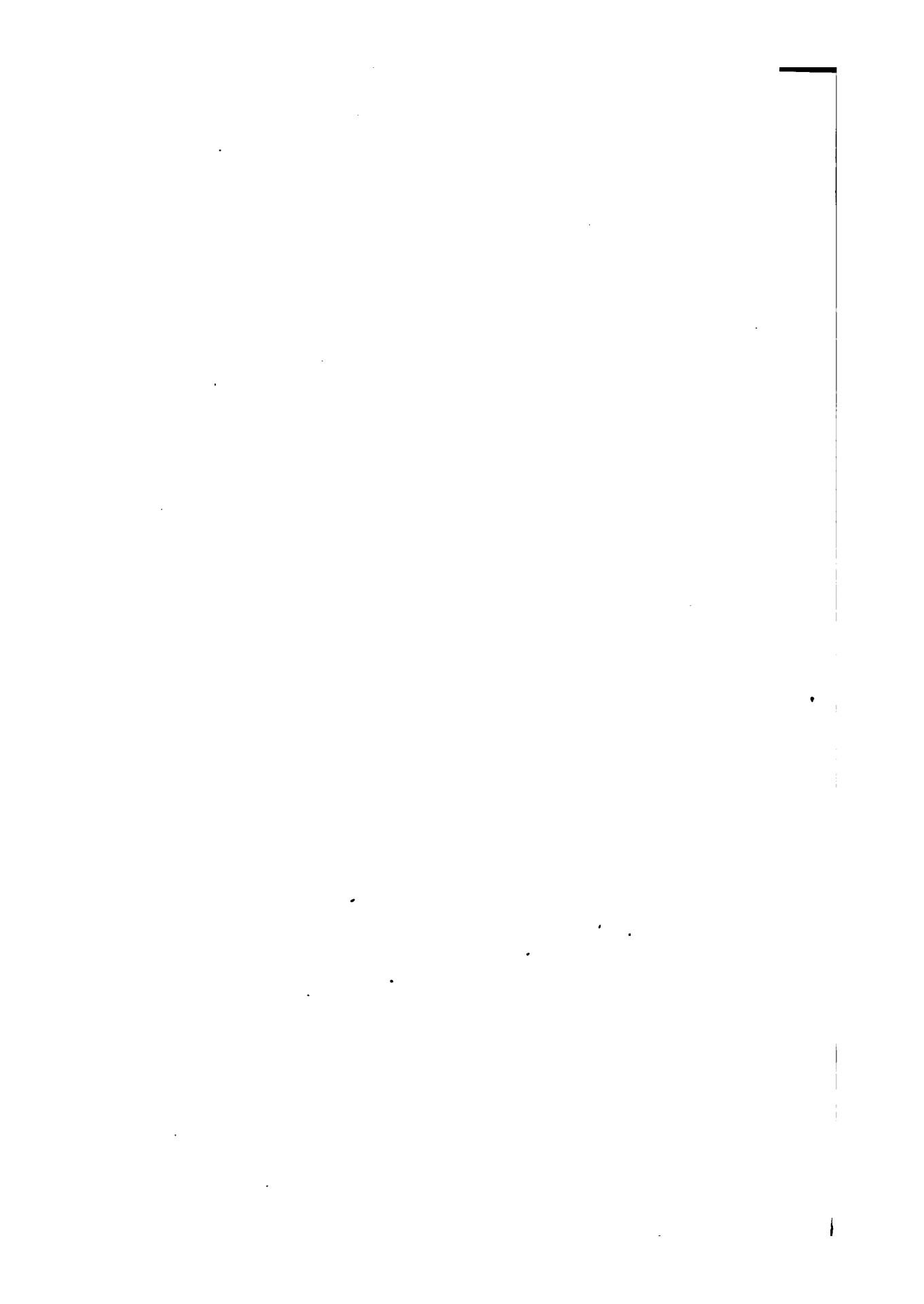
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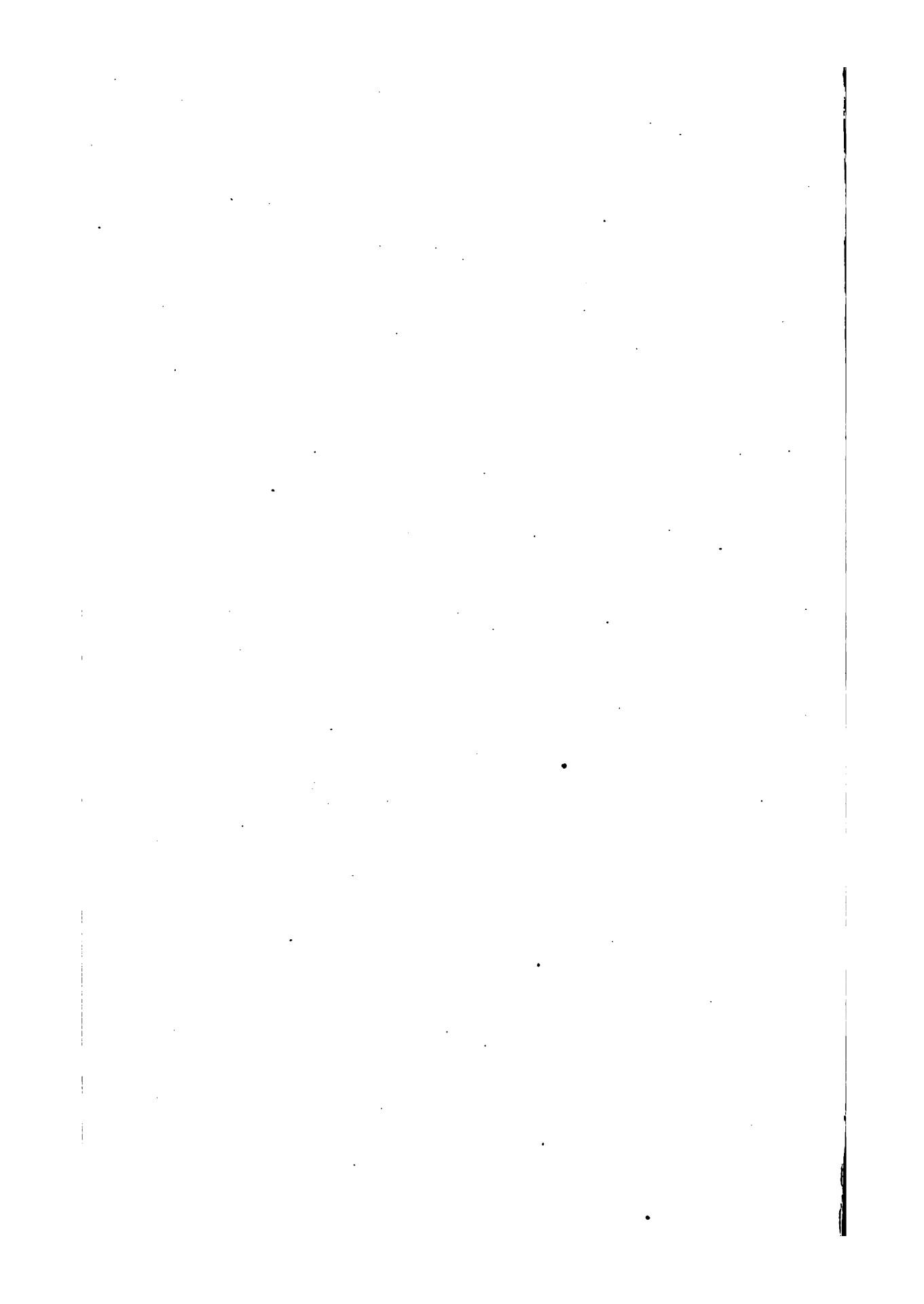
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THE ELEMENTS  
OR  
GRAPHICAL STATICS

AND THEIR APPLICATION TO

FRAMED STRUCTURES,

WITH NUMEROUS PRACTICAL EXAMPLES OF

CRANES—BRIDGE, ROOF AND SUSPENSION TRUSSES—BRACED  
AND STONE ARCHES—PIVOT AND DRAW SPANS—  
CONTINUOUS GIRDERS, &c.,

TOGETHER WITH THE BEST

*METHODS OF CALCULATION,*

AND CONTAINING ALSO

NEW AND PRACTICAL FORMULÆ

FOR THE

Pivot or Draw Span—Braced Arch—Continuous Girder, Etc.

BY

A. JAY DU BOIS, C.E., Ph.D.

PROFESSOR OF CIVIL AND MECHANICAL ENGINEERING, LEHIGH UNIVERSITY, PENNA.

"Peu à peu les connaissances alegébriques déviendront moins indispensables, et la science, réduite à ce qu'elle doit être, à ce qu'elle devrait être déjà, sera ainsi mise à la portée de cette classe d'hommes, qui n'a que des moments fort rares à y consacrer." [Poncelet-*Traité des propriétés projectives des figures*, Paris, 1822.]

PLATES.

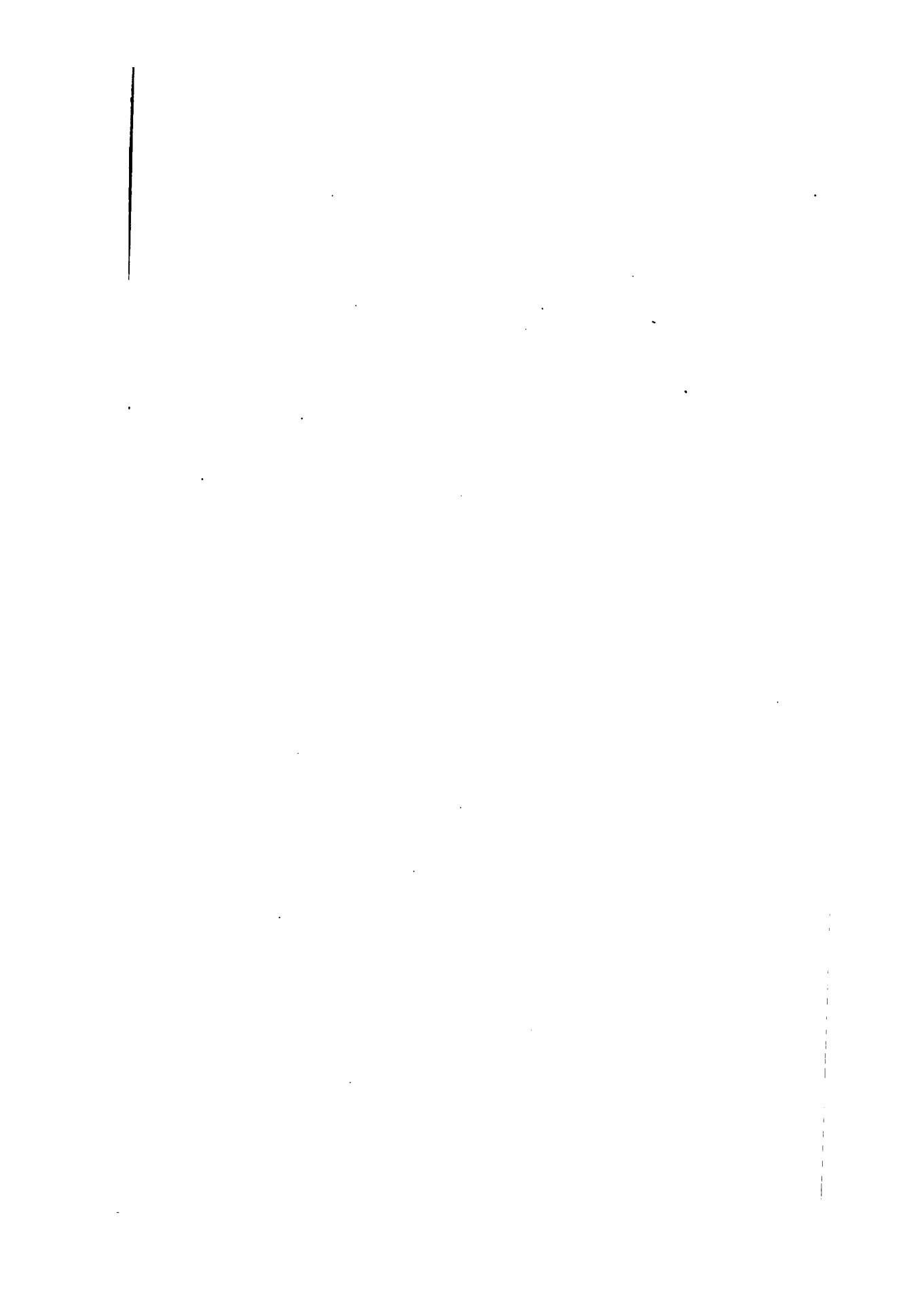
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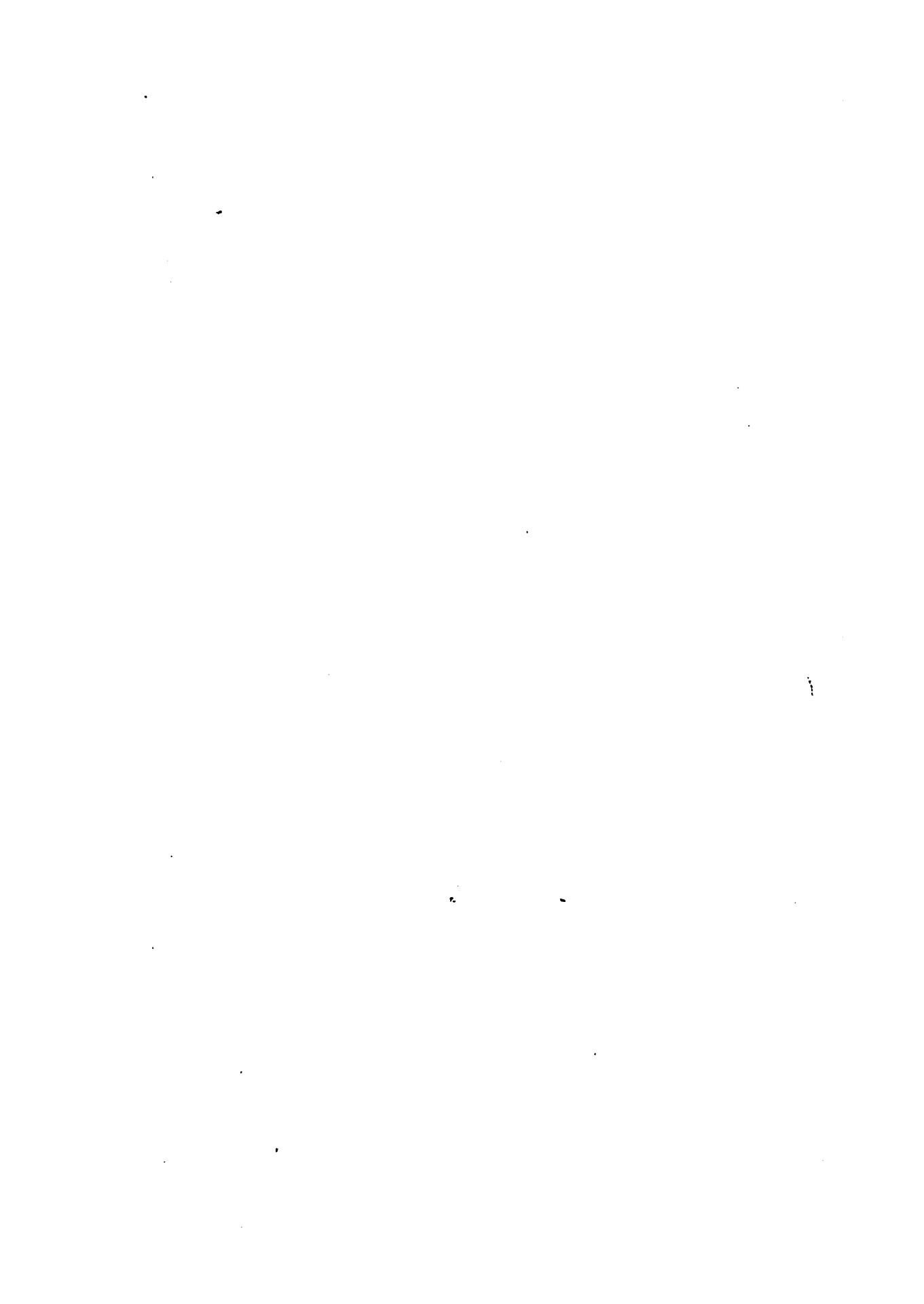
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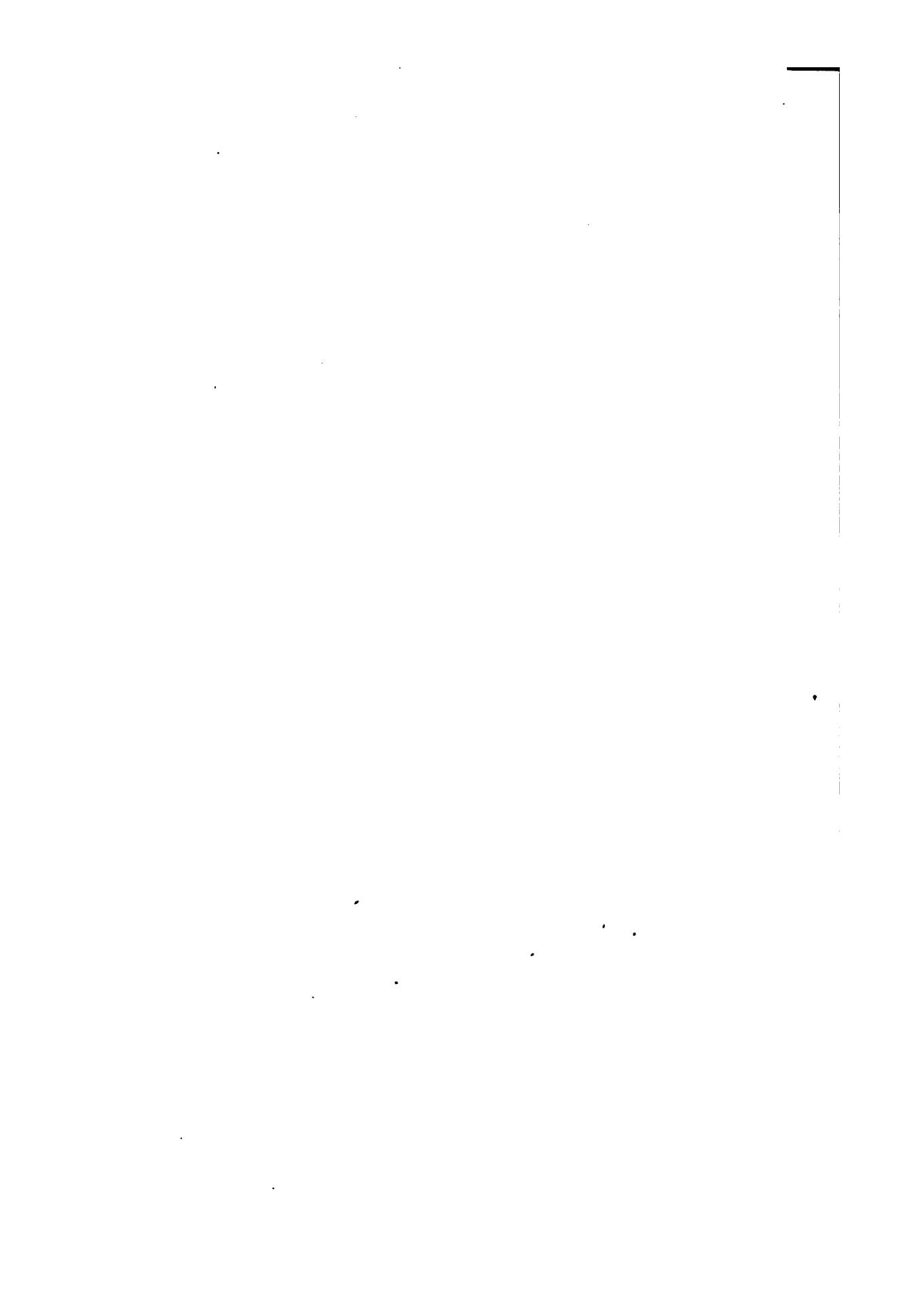
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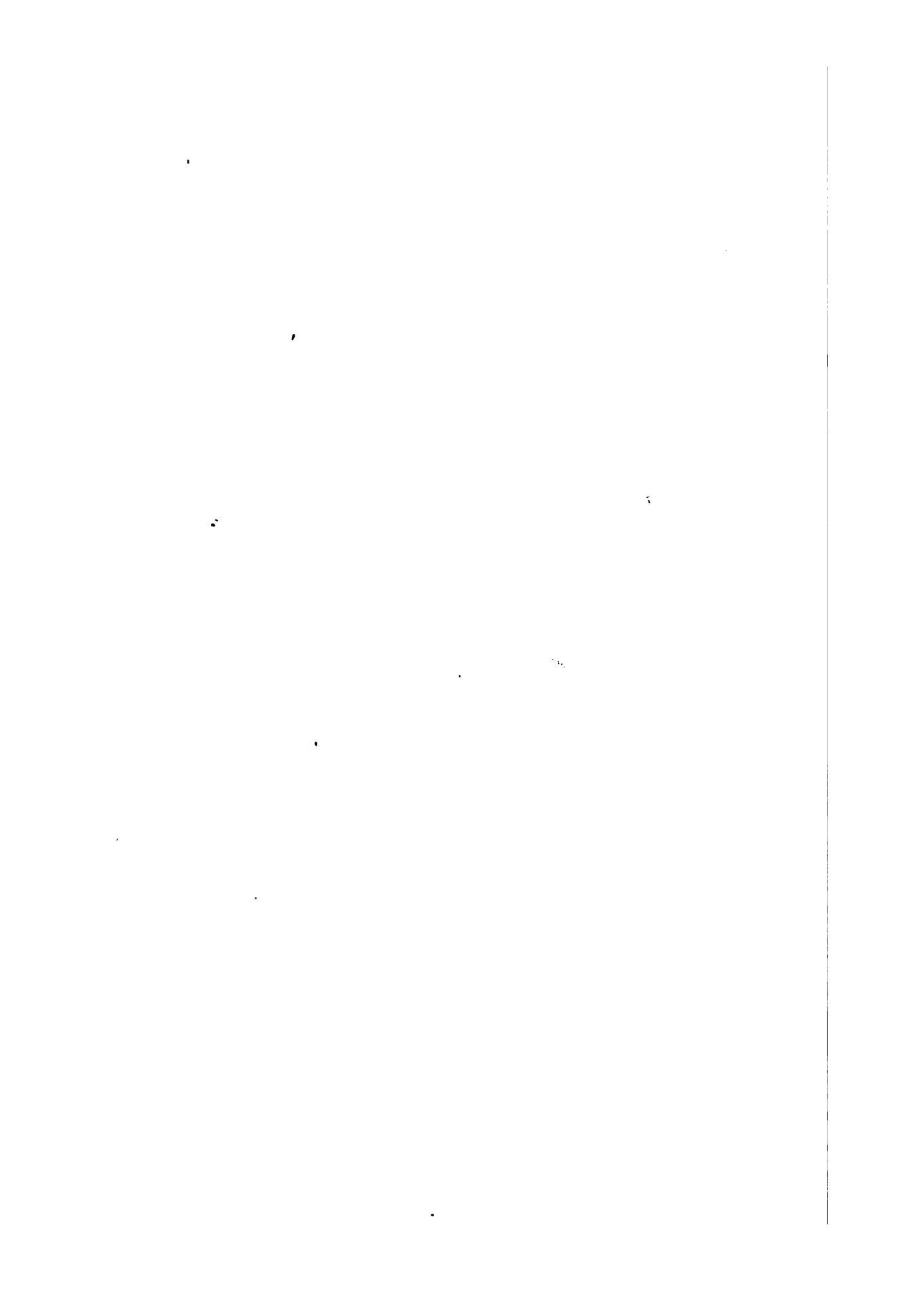
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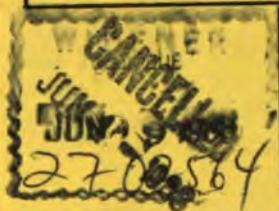








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